Tubes for Life

BIO e PRF

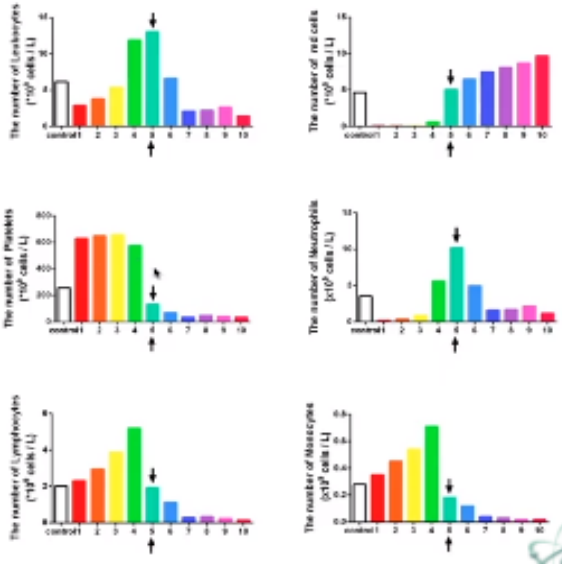
Laser Care of NKY, LLC

Good Samaritan
Children's
Charities, LLC

Clinic Guide

SOLIDPRF

Relative Even Distribution of platelets and leukocytes in upper layers



Use Blue/White tubes to delay clot formation

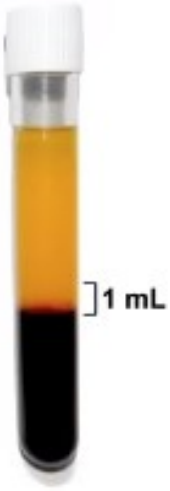
700 g for 8 min

RICHARD | MIRON

SOLIDPRF C-PRF

Use Blue/White tubes to delay clot formation

Blue/White tubes for Concentrated liquid and acellular plasma.



700 g for 8 min

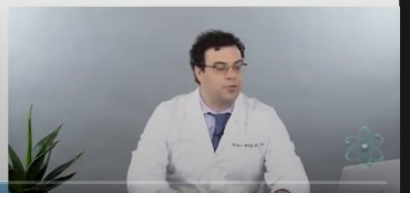
2'000 g for 8 min

RICHARD | MIRON

Removing PRF clots from tubes

PRFEDU

1. Centrifuge 700 RCF for 8 minutes in red tubes
2. Remove lid - wait 5 minutes
3. Remove from Tube – ready for use



Making a Bio-Graft

PRFEDU

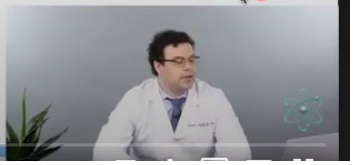
1. Centrifuge 700 RCF for 8 minutes in white/blue tubes
2. Using an 18G 1.5 inch needle, remove the liquid-PRF
3. Place immediately in the custom sized tray and let set for 15 minutes
4. Bio-Graft ready for use

Making Sticky Bone

1. Centrifuge 700 RCF for 8 minutes using 2 white/blue tubes and 2-4 red tubes
2. Remove lid of red tubes - wait 5 minutes
3. Remove from Tube
4. Place in Bio-PRF box and compress
5. Cut up 2 membranes in the Bio-PRF bowl and mix with allograft
6. Using an 18G 1.5 inch needle, remove liquid-PRF
7. Mix the liquid-PRF with the bone graft complex and allow to set for a few seconds
8. Sticky-Bone ready for use

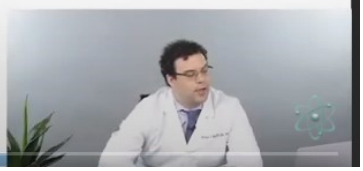
Making e-PRF membrane

1. Centrifuge 700 RCF for 8 minutes in white/blue tubes
2. Using an 18G 1.5 inch needle, remove the upper 2mL of liquid-PPP
3. Place the blue caps on the syringes and place in the Bio-Heat device for 10 minutes at 75C
4. Place the remaining white/blue tubes in the Bio-Cool to prevent clotting
5. After 10 minutes of heating, the PPP layer turns into an "Albumin gel"
6. Place the Albumin gel in the Bio-Cool for 1-2 minutes to cool
7. Once cooled, place the albumin gel into the custom-sized Bio-Heat tray
8. Collect the remaining 1-2mL concentrated Liquid-PRF layer (C-PRF)
9. Place the Liquid-PRF layer into the custom sized-tray with the Alb-gel and let set together for 15 minutes
10. e-PRF membrane ready for use



Making Bio-Bone

1. Centrifuge 700 RCF for 8 minutes in white/blue tubes
2. Using an 18G 1.5 inch needle, remove the upper 2mL of liquid-PPP
3. Place the blue caps on the syringes and place in the Bio-Heat device for 10 minutes at 75C
4. Place the remaining white/blue tubes in the Bio-Cool to prevent clotting
5. After 10 minutes of heating, the PPP layer turns into an "Albumin gel"
6. Place the Albumin gel in the Bio-Cool for 1-2 minutes to cool
7. Once cooled, place the albumin gel into the custom-sized Bio-Heat tray
8. Collect the remaining 1-2mL concentrated Liquid-PRF layer (C-PRF)
9. Place the Liquid-PRF layer into the custom sized-tray with the Alb-gel
10. Add a layer of bone graft (ideally allograft)
11. Add additional Liquid-PRF and let set
12. Bio-Bone ready for use

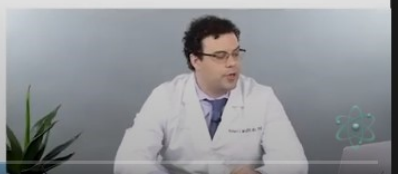


Making Bio-Filler

1. Centrifuge 700 RCF for 8 minutes in white/blue tubes
2. Using an 18G 1.5 inch needle, remove the upper 2mL of liquid-PPP
3. Place the blue caps on the syringes and place in the Bio-Heat device for 10 minutes at 75C
4. Place the remaining white/blue tubes in the Bio-Cool to prevent clotting
5. After 10 minutes of heating, the PPP layer turns into an "Albumin gel"
6. Place the Albumin gel in the Bio-Cool for 1-2 minutes to cool
7. Collect the remaining 0.5-1mL concentrated Liquid-PRF layer (C-PRF)
8. Using a female-female luer-lock, mix the liquid C-PRF and the Albumin gel together
9. Using a 25-27G needle, the Bio-Filler is then ready for use

Drawing C-PRF

1. Centrifuge 2000 RCF for 8 minutes in white/blue tubes
2. Using an 18G 1.5 inch needle, remove the upper 3-4 mL of liquid-PPP (no cells)
3. Discard this upper 3-4 mL
4. Collect the remaining 0.5-1mL concentrated liquid-PRF layer (C-PRF)
5. Liquid C-PRF ready for use



3 protocols for Bio-PRF

PRFEDU

SOLIDPRF

Use Blue/White tubes to delay clot formation

Relative even distribution of platelets and leukocytes in upper layers

Clinical Indications

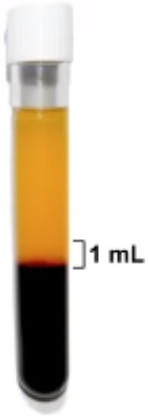
Majority of Dental Procedures
Soft tissue healing around implants
Cutting of PRF to mix with bone graft
Sinus Grafting
GBR procedures
Healing of complex diabetic wounds

700 g for 8 min

3 protocols for Bio-PRF

PRFEDU

C-PRF



Massive cell accumulation at the buffy coat

Clinical Indications

Filling Facial Tissues (Esthetics)
Used as GBR membrane with extended working properties of PRF from 2-3 weeks to 4-6 months
Injections into joint spaces

2'000 g for 8 min

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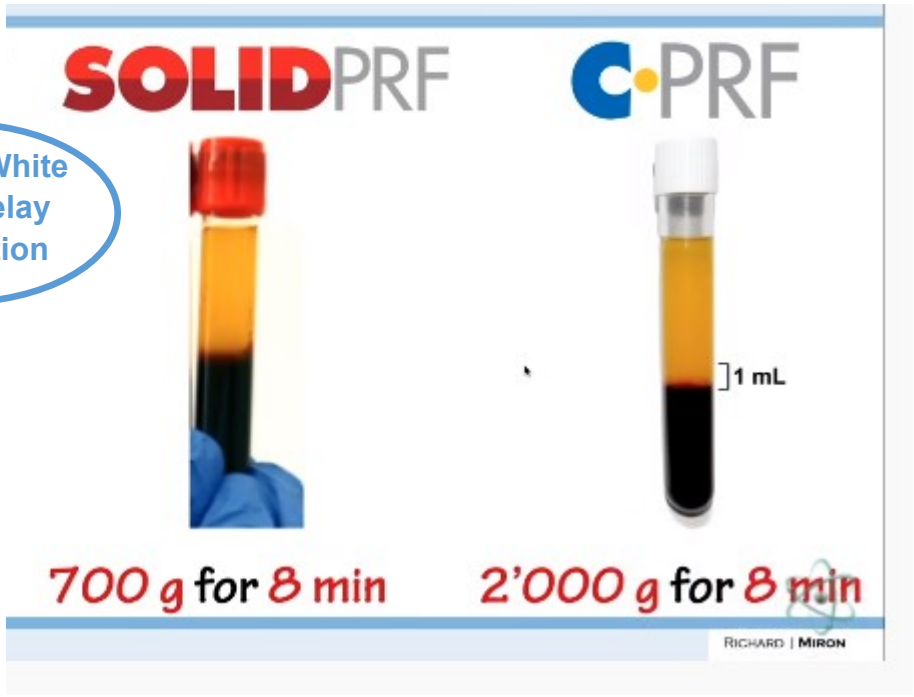
Use Blue/White tubes to delay clot formation



	Time	RCF	White / Blue Tubes	Red Tubes	Bio-Heat	
Make PRF Clot	8	700		X		
Make a Bio-Graft	8	700	X			
Making Bio-Bone	8	700	X		Yes	
Making Sticky Bone	8	700	X Draw First	X		
Making e-PRF Membrane	8	700	X		Yes	
Making Bio-Filler	8	700	X		Yes	
Drawing C-PRF	8	2000	X			